# ESTIMATED FLOOD LOSSES AND SAVINGS FOR 1942 AND 1943 $^1$

#### By BENNETT SWENSON

Monetary losses from floods in the United States have been estimated at about \$98,500,000 during the year 1942, and nearly \$200,000,000 during 1943. Lives lost as the result of floods in the 2 years total 173. The savings, as the result of the flood forecasting and warning service, are reported at about 60 million dollars.

<sup>1</sup> Annual flood losses and savings for previous years have been published in the MONTHLY WEATHER REVIEW as follows:

| Year   | Issue of Review  | Pages  |
|--|--|--|
| 1934<br>1935<br>1936<br>1937<br>1937<br>1938<br>1940 | Vol. 62, No. 1, Jan. 1934<br>Vol. 62, No. 12, Dec. 1934<br>Vol. 63, No. 12, Dec. 1935<br>Vol. 65, No. 1, Jan. 1937<br>Vol. 66, No. 12, Dec. 1938<br>Vol. 68, No. 9, Sept. 1940<br>Vol. 68, No. 11, Nov. 1940<br>Vol. 69, No. 7, July 1941<br>Vol. 69, No. 7, July 1941 | 465–46<br>362–36<br>28–31<br>426–430<br>262–26<br>329–330<br>217–218 |

Prior to 1933 losses and savings have been published monthly, as a rule.

Outstanding among the floods during 1942 were the disastrous flash floods in the headwater areas of the Delaware, Susquehanna, and Allegheny River basins, resulting in the loss of 45 lives; a record-breaking flood in portions of the Potomac and Rappahannock River basins in October; a major flood in the Willamette River in November; and widespread flooding in the Central West, from Minnesota to Texas, during the summer months.

Minnesota to Texas, during the summer months.

The major flood event of the year 1943 was the widespread and record-breaking flood during May, covering most of 7 central states from Oklahoma to Michigan. The most destructive flood in point of loss of life, considering the small area involved, occurred in the Little Kanawha River in West Virginia during August, in which 23 lives were lost. An unusually early midwinter flood in the Ohio River began in December 1942 and continued into January 1943, reaching major proportions. Unusual also were the record-breaking floods and ice jams in the upper Missouri River in March and April, resulting from rapid melting of low altitude snow in eastern Montana and North Dakota.

### ESTIMATED FLOOD LOSSES AND SAVINGS FOR 1942

| River and drainage   | Tangible<br>property                                 | Matured<br>crops | Prospective<br>erops                | Livestock<br>and other<br>movable farm<br>property | Suspension<br>of business | Total                               | Lives lost     | Reported<br>savings as<br>the result<br>of warnings |
|--|--|------------------|-------------------------------------|--|---------------------------|-------------------------------------|----------------|---|
| HUDSON BAY DRAINAGE  |  |                  |                                     |  |                           |                                     |                |   |
| Red River of the North   | \$2,500  |                  |                                     |  | ·                         | \$2, 500                            |                |   |
| ST. LAWRENCE DRAINAGE  |  |                  |                                     |  |                           |                                     |                |   |
| Lake Michigan  |  |                  |                                     |  |                           |                                     | ļ              |   |
| Grand River  | 63, 575  |                  |                                     |  | \$1, 250                  | 64, 825                             |                | \$185,00  |
| Saginaw River  | 52, 400  | \$5,000          |                                     | \$25,000   | 3, 350                    | 85, 750                             |                | 10,00   |
| ATLANTIC SLOPE DRAINAGE  |  |                  |                                     |  |                           |                                     | 1              |   |
| Merrimack River  | 151,000  |                  |                                     | <br>   |                           | 153, 000                            |                |   |
| Connecticut River  |  |                  |                                     |  |                           | 40,000                              |                |   |
| Hudson River   |  |                  |                                     |  |                           | 20,000                              |                |   |
| Schuylkill River<br>Delaware River   | 7, 200   |                  |                                     |  | 1, 250                    | 2 1, 084, 160                       | 1              | 205, 100  |
| Susquehanna River  |  |                  | 1 188, 000                          |  |                           | 11, 500, 000                        | 25             |   |
| Potomac River  | 2, 686, 410  | 275, 100         | 436, 100                            | 56, 500  | 17, 500                   | 3 4, 074, 200<br>3, 471, 610        | 4 2            | 253, 500  |
| Rappahannock River   | 1, 739, 490  | 210, 100         | 228, 140                            | 10, 300  | 17, 500                   | 1, 977, 930                         | i <sup>2</sup> | 200,000   |
| James River  | 183, 300   | 86, 850          | 21, 050                             | 13, 500  | 27, 500                   | 332, 200                            |                | 197. 50   |
| Rosnoke River  |  | 01,,000          | 4 26, 000                           | 10,000   | 8, 500                    | 34, 500                             |                | 17.500  |
| Neuse River  |  | 87,000           | 10,000                              |  | 600                       | 107, 600                            |                | 11,00   |
| Pee Dee River  | 5, 230   |                  | 780                                 | 2, 400   | 19, 150                   | 27, 560                             |                | 13, 00  |
| Santee River   |  |                  | 4,800                               | 3,000  | 24,000                    | 31, 800                             |                | 20, 900   |
| Savannah River   |  |                  |                                     |  | 4,000                     | 4,000                               |                | 10,000  |
| Altamaha River   | 12, 300  | 1, 200           | 22, 000                             | 13, 900  | 20, 900                   | 70, 300                             |                | 89,000  |
| EAST GULF OF MEXICO DRAINAGE   |  |                  |                                     |  |                           |                                     |                |   |
| Apalachicola River   | 100  |                  | 1.50                                | 1,000  | 12,000                    | 13, 250                             |                | 8, 500  |
| Alabama River  | 39,000   | 2,000            | 20, 300                             | 5, 500   | 1,000                     | 67, 800                             |                | 42, 500   |
| Disals Wassies Tembishes Disses  | 00 000   |                  |                                     | 10, 500  | 19,000                    | 57, 700                             |                | 210,000   |
| Pascagoula River   | 2,500  |                  | 300                                 | 3, 300   | 7, 500                    | 13,600                              |                | 8, 500  |
| Pearl River  |  |                  |                                     | 3, 000   |                           | 3, 000                              |                | 6,000   |
| MISSISSIPPI SYSTEM   |  |                  |                                     |  |                           |                                     |                | į   |
| Upper Mississippi Basin  |  | i                |                                     |  |                           |                                     |                | l   |
| Chippewa River   | 1, 596, 000  | 104, 800         | 25, 100                             | 10,000   | 19,000                    | 1, 754, 900                         |                | 65, 000   |
| Root, Whitewater, and LaCrosse Rivers  | 24,000   | 20,000           | 122, 500                            | 6, 250   | 10,000                    | 182, 750                            | <i>-</i>       | 7,000   |
| Wisconsin River  |  | 3,600            | 7, 900                              | 200  | 500                       | 5 37, 900                           |                | 5, 500  |
| Cedar-Iowa Rivers  | 102,000  | 25, 000          | 190, 500                            | 30, 000  |                           | 300<br>347, 500                     |                | 3,000   |
| Solt Pivor   | 5,000  | 1,000            | 420, 000                            | 30,000   |                           | 426, 000                            | 1              | 6,000   |
| Salt River Mississippi River above Cairo, Illinois                                     | 663, 050   | 54, 500          | 1, 973, 106                         | 19, 650  | 67, 100                   | 5 2, 842, 706                       |                | 483, 900  |
|  | 000,000  | 01,000           | 1,010,100                           | 20,000   | 01, 100                   | 2,012,100                           |                | 100,000   |
| Missouri Basin   | 60 700   |                  |                                     |  |                           |                                     |                | I   |
| Checkerboard Creek   | 83, 500<br>170, 126                                  |                  | 10, 050                             | 200  |                           | 93, 750                             |                |   |
| James River  | 250, 000   | 18, 118          | 15,000                              | 3, 917   | <b></b>                   | 192, 161<br>265, 000                |                |   |
| Vermillion River (S. Dak.)   | 1,000  |                  | 80, 000                             |  |                           | 81, 000                             |                |   |
| Big Sioux River  | 15,000   |                  | 200, 000                            | 1,000  |                           |                                     |                |   |
| Flovd River  | 200, 000   |                  | 175, 000                            | 5,000  |                           | 380, 000                            |                |   |
| Salt Creek   | 336, 779   |                  | 15, 720                             | 232, 105   | 9, 200                    | 593, 804                            | 1              | 5, 100  |
| Solomon River  | 44, 850  | 31, 633          | 45, 267                             |  |                           | 121, 750                            |                | 2, 800  |
| Smoky Hill River   | 78, 300  | 182, 683         | 311, 067                            | 21, 500  | 15, 500                   | 609, 050                            |                | 42, 000   |
|  | 134,650  | 30, 584          | 295, 581                            | 4,000  | 1, 500                    |                                     |                |   |
| Republican River   | 104,000  |                  | 42.000                              | 4,000  | 3, 300                    | 107, 390                            |                |   |
| Big Blue River   | 18,700   | 38, 390          | 43, 000                             |  |                           |                                     |                |   |
| Big Blue RiverKansas River   | 18, 700<br>123, 000                                  | 268, 500         | 140, 720                            | 7,000  | 10,000                    | 549, 220                            |                | 15, 000   |
| Big Blue River<br>Kansas River<br>Grand River  | 18, 700<br>123, 000<br>196, 002                      |                  | 140, 720<br>2, 150, 355             |  |                           | 2, 347, 792                         |                | 15, 000   |
| Republican River Big Blue River Kansas River Grand River Chariton River Chariton River | 18, 700<br>123, 000<br>196, 002<br>3, 335            | 268, 500         | 140, 720<br>2, 150, 355<br>108, 905 | 7, 000<br>1, 435                                   |                           | 2, 347, 792<br>112, 240             |                |   |
| Big Blue River<br>Kansas River<br>Grand River  | 18, 700<br>123, 000<br>196, 002<br>3, 335<br>69, 979 | 268, 500         | 140, 720<br>2, 150, 355             | 7,000  |                           | 2, 347, 792<br>112, 240<br>371, 368 |                |   |

See footnotes at end of table.

# ESTIMATED FLOOD LOSSES AND SAVINGS FOR 1942—Continued

| River and drainage                  | Tangible property       | Matured<br>crops   | Prospective<br>erops | Livestock<br>and other<br>movable farm<br>property | Suspension of business | Total                   | Lives lost | Reported<br>savings as<br>the result<br>of warnings |
|-------------------------------------|-------------------------|--------------------|----------------------|--|------------------------|-------------------------|------------|---|
| MISSISSIPPI SYSTEM—continued        | 1                       |                    |                      |  |                        |                         |            |   |
| Ohio Basin                          |                         |                    |                      |  | į                      |                         |            |   |
| Allegheny River                     |                         |                    | 1 \$562, 000         |  |                        | \$6,850,850             | 12         |   |
| Big Sandy River                     |                         | \$100,000          |                      |  |                        | 1, 500, 000<br>100, 000 | 2          |   |
| cioto River<br>Freen River          | 1,000                   | \$100,000          | 15,000               |  |                        | 17, 000                 |            |   |
| Wabash River                        |                         | 25,600             | 212, 750             | \$9,000  | \$1,000<br>25,000      | 310, 450                |            | \$58, 850   |
| Cumberland River                    | 160,000                 | 70,000             | 90,000               | 1,000  | 16, 300                | 337, 300                |            | 158, 500  |
| French Broad River                  | 10, 240                 | 1,200              | 34,000               | 100  | 7. 522                 | 45, 540<br>218, 792     |            | 2, 000<br>50, 000                                   |
| Tennessee River                     | 126, 775<br>7, 088, 069 | 32, 015<br>49, 931 | 38,000<br>11.500     | 14, 480<br>3, 000                                  | 13, 750                | 7, 166, 250             | 2          | 14, 451, 00   |
| Ohio River                          | 7, 088, 009             | 49, 931            | 11,500               | 3,000  | 10, 700                | 1, 100, 200             | ~          | 11, 101, 00   |
| White Basin                         | }                       | ]                  | J                    |  |                        |                         |            |   |
| Black River                         | 5,000                   |                    |                      | 1,000  | 1,000                  | 78,000                  |            | 4,000   |
| White River                         | 58,000                  |                    | 28, 400              | 7, 500   | 10,000                 | 103, 900                |            | 11, 250   |
| Arkansas Basin                      |                         |                    |                      |  | 1                      |                         |            |   |
| Chikaskia River                     | 105, 400                | 312,000            | 81,000               | 1,000  |                        | 499, 400                |            |   |
| Purgatoire River                    | 417, 600.               |                    | 19,400               | 65, 100  | 28, 100                |                         |            |   |
| Cimarron River                      | 520, 670                | 55, 000            | 5, 500               | 5, 000   | 10,000                 | 1, 378, 170             | ]          | 10, 000<br>10, 000                                  |
| Neosho River                        |                         | 21, 300<br>1, 000  | 79, 250<br>113, 000  | 13, 000  | 500<br>16, 900         | 324, 200                |            | 6,000   |
| North Canadian RiverCanadian River  | 180, 300<br>161, 180    | 3, 550             | 62, 350              | 6, 900   | 13, 180                | 247, 160                |            | 37, 700   |
| Arkansas River                      |                         | 84, 200            | 1, 198, 850          | 45, 400  | 65, 800                | 10 3, 363, 025          |            | 517,000   |
|                                     | , , , , , ,             | 1                  | 1 ' '                | 1  |                        |                         | 1          |   |
| Red Basin                           | 150                     |                    | 6,000                | 500  | 500                    | 7 150                   |            | 5,000   |
| Little RiverSulphur River           |                         |                    | 15,000               | 2,500  | 1, 500                 |                         |            |   |
| Cypress River                       |                         |                    | 5,000                | _,   | 1,000                  | 7, 500                  |            | 2, 500  |
| Ouachita River                      | 84, 400                 | 260, 000           | 30,000               | 10,000   | 10,000                 | 394, 400                |            | 220, 000  |
| Red River                           | 128, 500                | 136,000            | 11 1, 420, 000       | 18, 900  | 40, 500                | 1, 743, 900             |            | 143,000   |
| Lower Mississippi Basin Yazoo River |                         |                    | 300,000              |  | 175, 000               | 475, 000                |            | 25,000  |
| WEST GULF OF MEXICO DRAINAGE        |                         |                    |                      |  |                        | [                       |            |   |
| WEST GULF OF MEXICO DESINAGE        | 1                       |                    |                      |  | İ                      | 1                       |            |   |
| Trinity River                       | 4, 187, 500             |                    |                      | 244.000  | 182,000                | 10, 433, 850            |            | 2, 717, 00  |
| Brazos River                        |                         | 750                | 78, 500              | 2, 500<br>1, 000                                   | 26,000                 | 117,750                 |            | 5,62<br>15,00                                       |
| Colorado RiverGuadajupe River       |                         |                    | 146, 509             |  |                        | 396,000                 |            | 637, 50   |
| Nueces River                        |                         |                    |                      |  |                        | 270,000                 | 1          | . i 280,00  |
| Pecos River                         | 82,000                  | 20,000             | 53,000               |  | 10,000                 | 165,000                 |            |   |
| Rio Grande                          | 42, 700                 | 202, 250           | 854, 500             | 2,000  |                        | 1, 101, 450             |            | . 22,00   |
| GULF OF CALIFORNIA DRAINAGE         |                         |                    |                      |  |                        |                         |            |   |
| Colorado Basin                      | j                       |                    | ]                    |  |                        |                         |            | i   |
| Gunnison River                      | 2,850                   |                    | -                    | -  |                        | 2,850                   |            |   |
| PACIFIC SLOPE DRAINAGE              |                         |                    |                      |  |                        |                         |            |   |
| O Pierr                             | 1 104 600               | 6.000              | 698, 380             | 14,000   | 52, 500                | 1, 955, 480             |            | 126, 50   |
| Sacramento River                    | 1, 184, 600<br>22, 000  |                    | 098, 380             | 14,000   | 300 رش                 | 22,000                  |            |   |
| Willamette River                    |                         |                    |                      | -  |                        | 6, 894, 000             |            |   |
|                                     | <del></del>             | <del></del>        | -                    |  | -                      | ·                       |            | <del> </del>  |
| Total                               | 37, 145, 985            | 8, 771, 754        | 27, 808, 210         | 996, 187   | 1, 013, 352            | 98, 506, 198            | 66         | 22, 506, 52   |

## ESTIMATED FLOOD LOSSES AND SAVINGS FOR 1943

| River and drainage   | Tangible<br>property | Matured<br>crops | Prospective crops  | Livestock<br>and other<br>movable farm<br>property | Suspension of business | Total              | Lives lost | Reported<br>savings as<br>the result<br>of warnings |
|--|----------------------|------------------|--------------------|--|------------------------|--------------------|------------|---|
| HUDSON BAY DRAINAGE  |                      |                  |                    |  |                        |                    |            | ,   |
| Red River of the North   | \$815, 453           | \$4,000          | \$155,000          | \$1,000  | \$55,000               | \$1,030,453        | 1          | \$536,000   |
| ST. LAWRENCE DRAINAGE  |                      |                  |                    | 1  |                        |                    |            |   |
| Grand and Saginaw Rivers   |                      |                  | 1, 016, 300        | 200  | 7,000                  |                    |            | 6, 000<br>2, 000, 000                               |
| ATLANTIC SLOPE DRAINAGE<br>Schuylkill River                      | 647                  |                  |                    |  | 171                    | 818                |            |   |
| Juniata River Cape Fear, Neuse, and Roanoke Rivers Pae Dee River | 450<br>2 400         |                  | 17, 250            | 12,000   | 59,000<br>13,700       | 76, 700<br>28, 100 | 4          | 124, 500<br>17, 500                                 |
| Santee RiverSavannah and Ogeechee Rivers                         | 750                  |                  | 1,600              | 24<br>150  | 750<br>6, 700          | 2, 374<br>7, 600   |            | 7, 450<br>30, 750                                   |
| Altamaha River   | 5, 500               |                  |                    | 4,500  | 27, 500                | 37, 500            | [          | 60,000  |
| EAST GULF OF MEXICO DRAINAGE                                     |                      |                  | i                  | 1  | 1                      |                    |            |   |
| Apalachicola River   | 186, 650             | 5,000            | 1,500              | 8,500  | 96, 700                |                    |            |   |
| Pea River Choctawhatchee River                                   | 20,000               |                  |                    | 300<br>2,000                                       |                        | 20, 300            |            | 1,000   |
| Conecuh River  | 1.550                |                  |                    | 3, 200   | 6, 500                 | 11, 250            |            | 5,000   |
| Oostanaula and Etowah Rivers                                     |                      |                  | 60, 000<br>75, 000 | 10.000   | 1,000                  | 61,000             |            | 1,000<br>115,000                                    |
| Coosa River Tallapoosa River                                     |                      |                  |                    |  |                        | 3,500              |            | 80,000  |
| Cahaba River   | 500                  |                  | 2,500              | 2,400  |                        | 5,400              |            | 38,000  |
| Alabama River  | 5,000                |                  | 47, 500<br>20, 500 | 15, 000<br>9, 300                                  | 11.500                 | 67, 500            |            | 100,000<br>20,000                                   |
| Pascagoula River   |                      |                  | 20, 500            |  | 39,600                 | 105, 050           |            | 20,000  |
| Biloxi and Crane Rivers.   | 1,500                |                  | 250                | 250  | 500                    | 2,500              | 1          | 5,000   |
| Pearl River  | 32,000               |                  | 400                | 2,780  | 5, 560                 | 40,740             |            | 36,500  |

<sup>1</sup> Including matured crops.
2 Includes losses of \$1,075,710 which were not classified.
3 Includes losses of \$800,000 which were not classified.
4 \$14,000 of which represents all crop loss.
5 Includes losses of \$23,700 which were not classified.
6 Includes losses of \$65,300 which were not classified.

<sup>7</sup> Includes losses of \$1,000 which were not classified. 8 Furnished by U. S. E. 9 Includes losses of \$72,000 which were not classified. 10 Includes losses of \$89,000 which were not classified. 11 \$720,000 of which represents all crop loss.

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# ESTIMATED FLOOD LOSSES AND SAVINGS FOR 1943—Continued

|  | TOOD HOOK                |                         |                            |  | Continue               |                               |            |   |
|--|--------------------------|-------------------------|----------------------------|--|------------------------|-------------------------------|------------|---|
| River and drainage   | Tangible property        | Matured<br>crops        | Prospective crops          | Livestock<br>and other<br>movable farm<br>property | Suspension of business | Total                         | Lives lost | Reported<br>savings as<br>the result<br>of warnings |
| MISSISSIPPI SYSTEM   |                          |                         |                            |  |                        |                               |            |   |
| Upper Mississippi Basin  |                          |                         |                            |  | 1                      |                               |            |   |
| St. Croix River  | \$25,000                 | <b>\$</b> 3,000         | es 000                     | \$2,000  |                        | \$35,000                      | 1          | <b>60</b> 000                                       |
| Chippewa River   | 100,000                  | 5,000                   | \$5,000<br>21,000          | 2,000  | \$25,000               | 153,000                       |            | \$2,000<br>20,000                                   |
| Zumbro-Whitewater Rivers   | 10, 500<br>388, 300      | 6,000<br><b>25</b> ,000 | 48,000<br>142,700          | 2,500<br>4,000                                     | 1,000<br>8,900         | 68,000<br>568,900             |            | 8, 000<br>10, 000                                   |
| Wisconsin River  | 1, 220                   | 1,890                   | 11, 260                    |  | 1,300                  | 15,670                        |            | 27, 200   |
| Rock River   | 30, 000                  |                         | 50,000                     | 5, 000   | 500                    | 1,000<br>85,000               |            | 4, 500  |
| Skunk River  | 53, 400                  | 1,000                   | 2, 019, 900                | 18, 875  |                        | 2, 093, 175                   |            |   |
| Salt River<br>Cuivre River   | 83, 000<br>40, 000       |                         | 1, 114, 500<br>741, 500    | 1, 500<br>3, 000                                   | 17, 500                | 1, 199, 000<br>802, 000       |            |   |
| Illinois River   | 2, 837, 000              |                         | 5, 906, 000                | 16,000   | 1,001,500              | 9, 760, 500                   | 7          | 1, 345, 000   |
| Meramec River<br>Kaskaskia River<br>Mississippi River above Cairo, Ill | 23, 500<br>339, 500      |                         | 100,000<br>3,871,500       | 3, 500   | 20,000<br>71,000       | 143, 500<br>4, 285, 500       |            |   |
| Mississippi River above Cairo, Ill                                     | 7, 281, 541              | 146, 650                | 13, 407, 433               | 222, 846   | 1, 683, 900            | 1 22, 887, 126                | 4          | 5, 051, 500   |
| Missouri Basin   | 1                        |                         | ł                          | 1  |                        |                               |            |   |
| Milk River   |                          |                         |                            |  |                        | 75, 000                       | 2          |   |
| Yellowstone River<br>Little Missouri River                             | 700                      |                         | 12,000                     | 8,600  |                        | 9, 300<br>2 32, 000           | 1          |   |
| Knife River and Spring Creek   | 95,000                   | 35, 000                 | 15,000                     | 15,000   | 5, 000                 | 165,000                       | 3          |   |
| Burnt and Square Butte Creeks  | 630, 000                 | 90,000                  | 2,000                      | 4,000  | 9,000                  | 6,000<br>735,000              | 1          | 200   |
| Grand River (S. Dak.)  | 5, 700                   | 1, 500                  |                            | 4, 100   |                        | 11, 300                       |            | 5,000   |
| Niobrara River   |                          |                         | 500<br>705, 700            | 500  | 2, 500                 | 42, 600<br>919, 700           |            |   |
| Big Sioux River  | 1,000                    |                         |                            |  | <del></del>            | 1,000                         |            |   |
| Little Sioux River Boyer River   |                          |                         | 229, 400                   |  | 1, 800                 | 253, 800<br>4, 000            |            |   |
| Elkhorn River<br>Solomon River   | 200<br>1,000             |                         | 15, 000                    |  |                        | 200<br>16, 000                | 1          |   |
| Kansas River   | 1, 732, 564              |                         | 8, 197, 147                | 179, 638   |                        | 10, 109, 349                  |            | 8, 000<br>211, 000                                  |
| Osage River  | 1, 104, 017<br>126, 990  | 15, 000                 | 6, 675, 718<br>637, 681    | 90, 518<br>8, 450                                  |                        | 7, 885, 253<br>773, 121       | 5          | 31,000  |
| Missouri River 4   | 13, 997, 353             | 366, 527                | 26, 358, 335               | 556, 639   | 312, 928               | 41, 591, 782                  |            | 11, 275, 760  |
| Ohio Basin   |                          |                         |                            |  |                        | ĺ                             |            |   |
| Clarion River  | 75,000<br>1,500          | 20, 500                 | 11. 250                    |  | 600                    | 75, 000                       |            |   |
| Tygart River Youghiogheny River Little Kanawha River                   | 1,000                    | 20, 500                 | 11, 200                    |  |                        | 33, 850                       | 2          |   |
| Little Kanawha River   | 2,000                    | 1,500                   | 500                        |  | 50                     | 1, 365, 000<br>4, 050         | 23         | 3, 000  |
| Green River  | 6,000                    | 50, 260                 | 48,000                     |  | 7,000                  | 111, 260                      |            | 68, 200   |
| White-Wabash Rivers  | 6, 517, 900<br>3, 000    | 421, 125<br>5, 000      | 14, 319, 200<br>6, 000     | 432, 675   | 517, 750<br>5, 450     | 22, 208, 650<br>19, 450       | 13         | 2, 646, 700<br>25, 000                              |
| Tennessee River  | 5, 328                   | 22, 625                 | 1, 210                     | 295  | 19, 910                | 49, 368                       |            | 11, 017   |
| Ohio River   | 1, 697, 706              | 1, 088, 810             | 1, 119, 170                | 64, 709  | 1, 083, 620            | 5,7,549,015                   | 5          | 4, 185, 750   |
| White River  | 659, 106                 | 276, 260                | 6, 064, 823                | 131, 540   | 188,700                | 7, 320, 429                   | 1          | 1, 392, 500   |
| ·  | 525, 255                 | 213,213                 | 3, 37-, 32-                | 202,010  | 200,700                | 1,020,120                     | -          | 1, 302, 500   |
| Arkansas Basin Walnut River  | 13,000                   |                         | 6 154,000                  |  |                        | 7 169, 000                    |            |   |
| Cimarron River   | 148,000  <br>1,430,840   |                         | 267, 050<br>3, 748, 970    |  | 260 170                |                               |            | 110.000   |
| Neosho River   | 1, 507, 508              | 34, 500                 | 2, 442, 220                | 137, 000   | 369, 170<br>596, 440   | 5, 548, 980<br>4, 717, 668    |            | 119,000<br>92,500                                   |
| North and South Canadian Rivers  | 273, 420                 |                         | 1, 423, 560<br>9, 271, 190 |  | 78,010<br>1,828,300    | 1, 774, 990<br>8 21, 904, 225 | 6  <br>19  | 20, 500<br>8, 281, 000                              |
| Red Basin  | 0,000,010                |                         | 5,2,1,100                  |  | 1,020,000              | 21, 001, 220                  | 10         | 0, 201, 000   |
| Sulphur River  | 550                      |                         |                            | 300  | 750                    | 1,600                         |            | 2, 500  |
| Ouachita River   | 50                       |                         | 10,000                     | 2,000  | 30,000                 |                               |            | 200, 000  |
| Lower Mississippi Basin  |                          |                         | 1                          |  |                        | ł                             |            |   |
| Tallahatchie River   | 10,000   -<br>27,200   - |                         | 275, 000<br>483, 500       |  | 10,000  <br>23,500     | 295, 000   .<br>534, 200   .  |            | 85, 300   |
|  | 21,200                   |                         | 400,000                    |  | 20, 000                | 334, 200                      |            | 65, 500   |
| WEST GULF OF MEXICO DRAINAGE Sabine River                              | 1, 128, 000              | 84,000                  | 446,000                    | 10,000   | 300,000                | 1, 968, 000                   |            | 500,000   |
| Trinity River  | 139,000                  | 500                     | 473,000                    | 2, 400   | 5, 800                 |                               |            | 121, 000  |
| GULF OF CALIFORNIA DRAINAGE  | i                        | i                       | ŀ                          | ľ  |                        | ł                             |            |   |
| Colorado Basin   |                          |                         |                            |  | j                      |                               |            |   |
| Price River  |                          |                         |                            | · <b></b>  |                        | 70, 000                       |            |   |
| GBEAT BASIN DRAINAGE   |                          |                         |                            |  |                        | ł                             |            |   |
| Great Basin drainage   |                          |                         |                            | 30,000   |                        | 9240, 000 L                   |            |   |
| PACIFIC SLOPE DRAINAGE   |                          |                         |                            |  |                        | •                             |            |   |
|  |                          | Ì                       | 1                          | 1  |                        | # 025 CCC                     | .          |   |
| Kings, Kern, Tule, and Kaweah Rivers                                   | 52,000                   | 150, 000                | 27,000                     | 5, 600   |                        | 6, 033, 299<br>234, 600       | 1  -       | 500, 000  |
| Sacramento River   | 225, 700                 | 1, 500                  | 139, 700                   | 500  | 9, 500                 | 376, 900                      |            | 31,000  |
| Eel RiverSouth California coastal drainage                             | 25, 000                  |                         |                            |  |                        |                               | 1          | 15,000  |
| Snake River  |                          |                         |                            |  | -                      | 609, 600                      | i l        |   |
| Columbia River   | 26.500                   | 0.000                   | 103 300                    | 500  | 50 500                 | 107 700                       | -  -       | 650 500   |
| Total  | 26, 500<br>50, 365, 593  | 9,000                   | 103, 200<br>112, 521, 617  | 2, 074, 149  | 58, 500<br>8, 626, 059 | 197, 700                      | 107        | 650, 500<br>40, 192, 627                            |

¹ Including losses of \$144,756 which were not classified.
² Includes May-June damages by sub-basins as follows: Kansas, \$4,738,818; Blue, \$1,372,656; Republican, \$1,068,704; Solomon, \$385,137; Saline, \$30,681; Delaware, \$791,825; Wakarusa, \$232,232; Vermillion, \$178,433; Stranger, \$417,730; Soldier, \$103,188; Mill Creek, \$789,945.

<sup>4</sup> Includes damage of \$3,246,290 for Grand River during May and June.
5 Including losses of \$2,495,000 which were not classified.
6 Including matured crops.
7 Including losses of \$2,000 which were not classified.
8 Including losses of \$4,843,925 which were not classified.
9 Including losses of \$210,000 which were not classified.